

L3 ANSWER 235 OF 693 CA COPYRIGHT 2005 ACS on STN  
 AN 133:47745 CA  
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 TI Cementitious compositions for underwater constructions  
 IN Shin, Kyu-Hyon; Om, Tae-Hyong; Shin, Do-Chol  
 PA Ssangyong Cement Industrial Co., Ltd., S. Korea  
 SO Repub. Korea, No pp. given  
 CODEN: KRXXFC  
 DT Patent  
 LA Korean  
 IC ICM C04B024-18  
 ICS C04B016-02

CC 58-3 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 9508587	B1	19950803	KR 1992-21274	19921113
	KR 9510000	B1	19950904	KR 1995-15485	19950613
PRAI	KR 1992-21274	A3	19921113		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
KR 9508587	ICM	C04B024-18
	ICS	C04B016-02

AB The cement compns. for underwater constructions are composed of  
 cement 100, active slag fine particles 25-67, nonionic  
cellulose ether thickener 0.5-2.5, melamine sulfonic acid or  
triazine plasticizer 0.6-5.0, and antifoaming agent 0.04-0.5 weight  
 parts. The active slag fine powder has a sp. surface area of 4000-5000  
 cm<sup>2</sup>/g. The thickener is selected from hydroxy Pr Me cellulose,  
 hydroxy Et cellulose, hydroxy Et Me cellulose, hydroxy  
 Et Et cellulose, or Me cellulose, and has 8000-50000  
 cP viscosity in the 2% aqueous solution at 2000.

ST mortar cement underwater concrete construction

IT Antifoaming agents

Cement (construction material)

Mortar

(cementitious compns. f

**COMPOSITION OF CEMENT**

**Patent number:** KR9508587  
**Publication date:** 1995-08-03  
**Inventor:** SHIN KYU-HYON (KR); OM TAE-HYONG (KR); SHIN DO-CHOL (KR)  
**Applicant:** SSANGYONG CEMENT IND CO LTD (KR)  
**Classification:**  
- international: **C04B16/02; C04B24/18; C04B28/16; C04B16/00; C04B24/00; C04B28/00; (IPC1-7): C04B24/18; C04B16/02**  
- european:  
**Application number:** KR19920021274 19921113  
**Priority number(s):** KR19920021274 19921113

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**Abstract of KR9508587**

The cement composition for underwater construction is composed of 100 wt. pts. of a cement, 25-67 wt. pts. of an active slag fine particle, 0.5-2.5 wt. pts. of a nonionic cellulose ether thickener, 0.6-5.0 wt. pts. of a melamine sulfonic acid or triazine plasticizer and 0.04-0.5 wt. pt. of an antifoaming agent. The active slag fine particle has 4000-5000 cm<sup>2</sup>/g powder degree. The thickener is hydroxy propyl methyl cellulose, hydroxy ethyl cellulose, hydroxy ethyl methyl cellulose, hydroxy ethyl ethyl cellulose or methyl cellulose, and has 8000-50000 cps viscosity in the 2% aq. solution at 200 deg.C.

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